

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062137.D
 Acq On : 25 Mar 2019 17:49
 Operator : VA/AP
 Sample : K2081-24
 Misc : 6.37g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 26 04:21:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

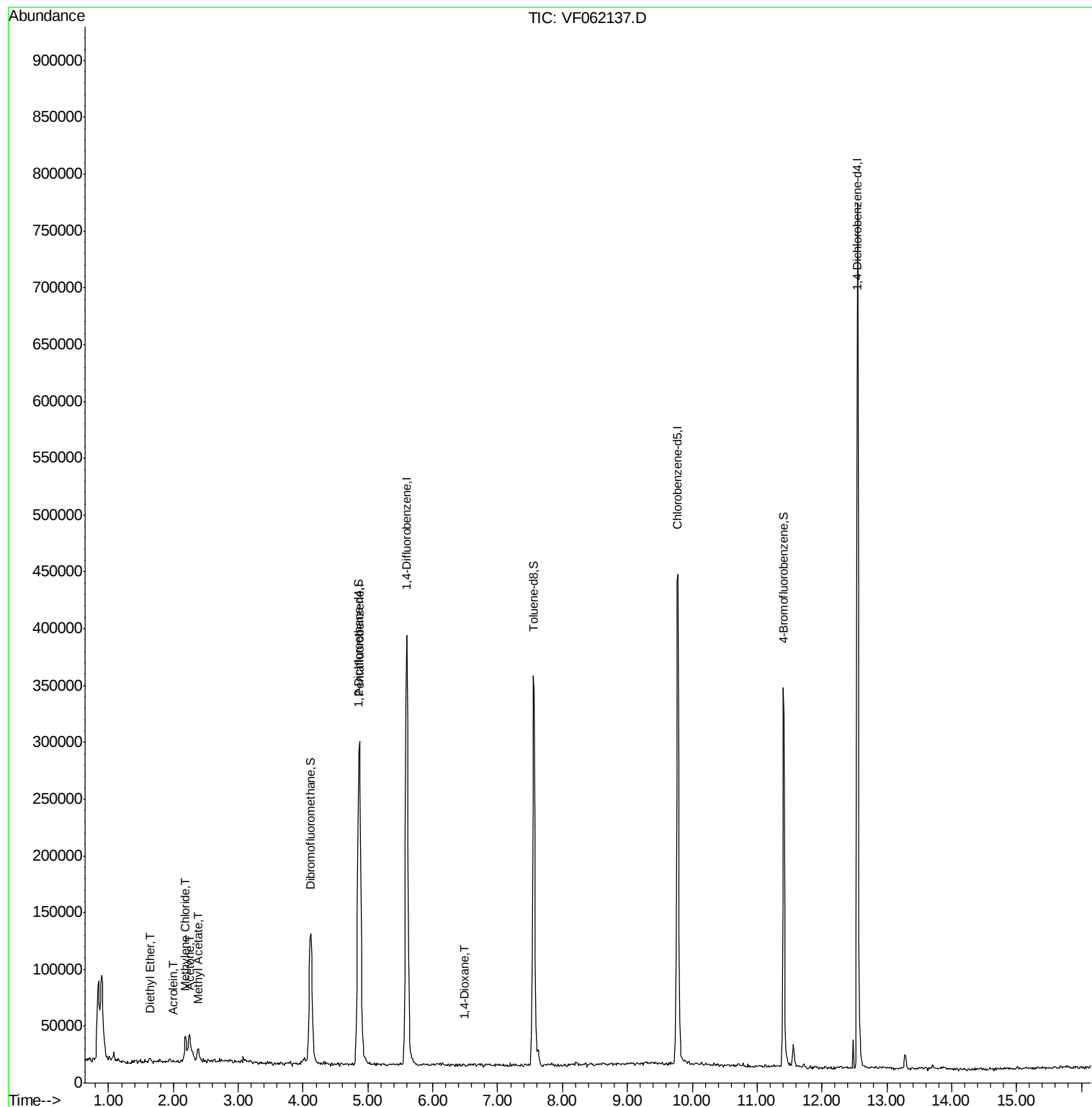
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	283609	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	459235	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	361549	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	215198	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	76547	36.29	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.58%	
35) Dibromofluoromethane	4.12	113	122652	39.48	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	78.96%	
50) Toluene-d8	7.55	98	317689	34.26	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	68.52%	
62) 4-Bromofluorobenzene	11.41	95	136456	38.12	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.24%	
Target Compounds						
8) Diethyl Ether	1.63	74	1335	1.376	ug/l	79
13) Acrolein	2.01	56	441	3.160	ug/l #	1
16) Acetone	2.25	43	8185	18.436	ug/l	93
18) Methyl Acetate	2.38	43	4276	4.038	ug/l #	56
20) Methylene Chloride	2.19	84	11971	1.360	ug/l	97
49) 1,4-Dioxane	6.49	88	66	5.706	ug/l #	25

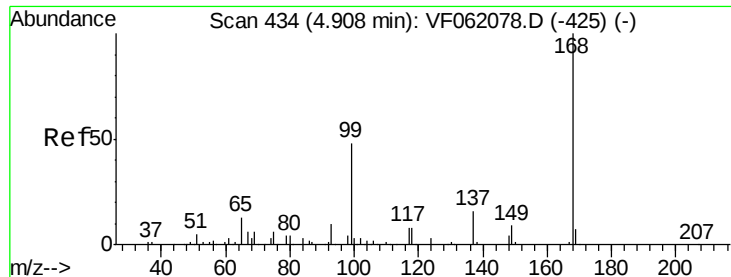
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF062137.D

Acq: 25 Mar 2019 17:49

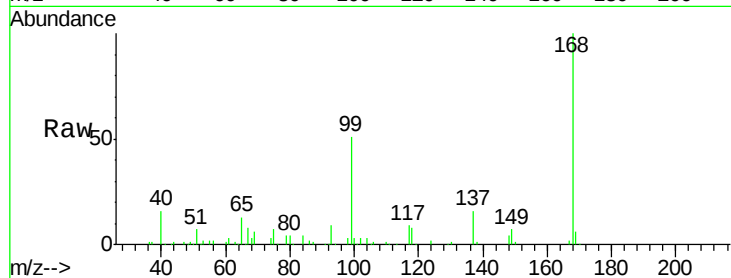
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 283609

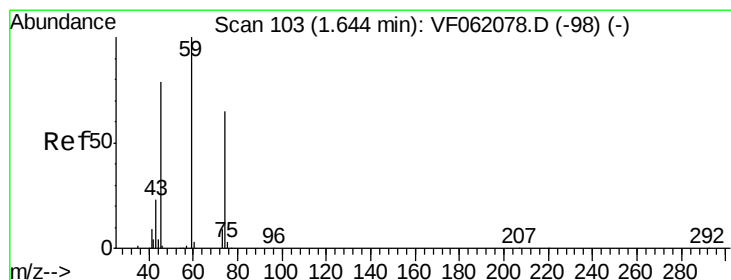
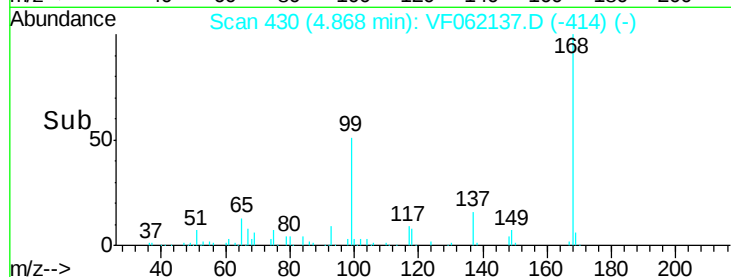
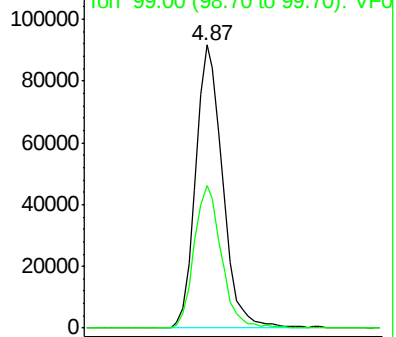
Ion Ratio Lower Upper

168 100

99 50.5 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.376 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF062137.D

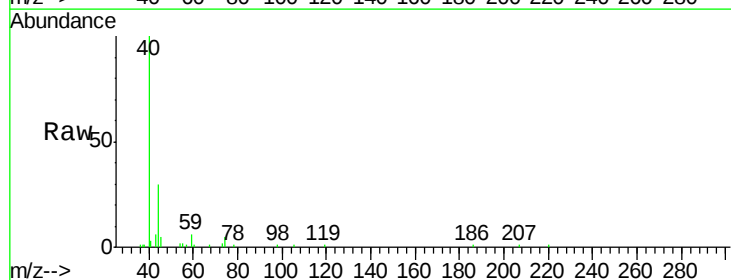
Acq: 25 Mar 2019 17:49

Tgt Ion: 74 Resp: 1335

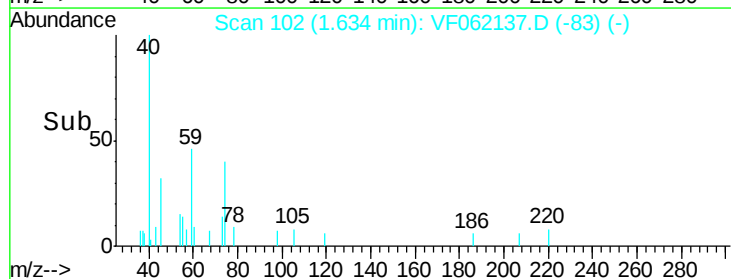
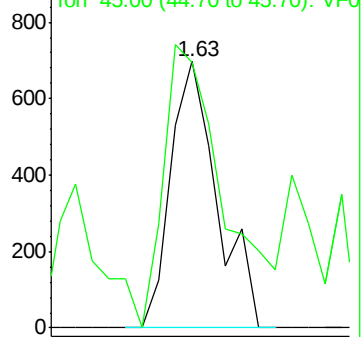
Ion Ratio Lower Upper

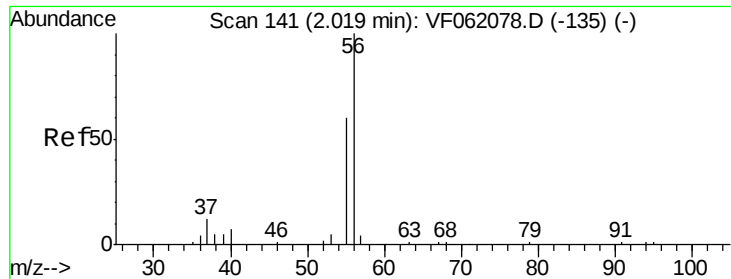
74 100

45 99.4 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0





#13

Acrolein

Concen: 3.160 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062137.D

Acq: 25 Mar 2019 17:49

Instrument :

MSVOA_F

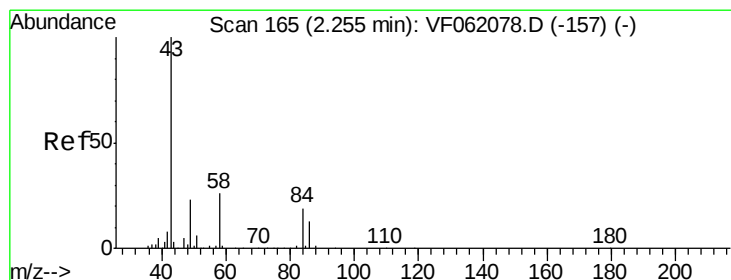
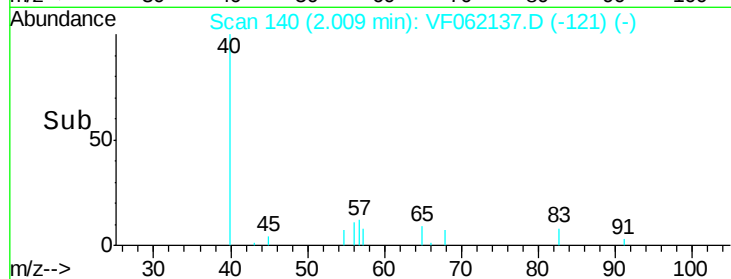
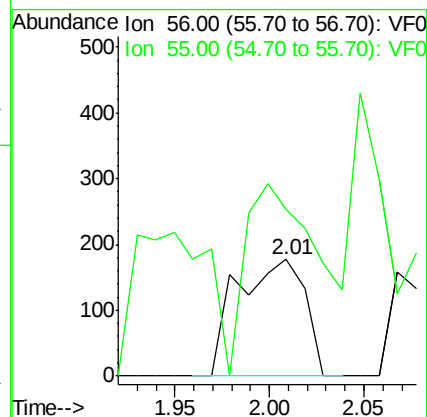
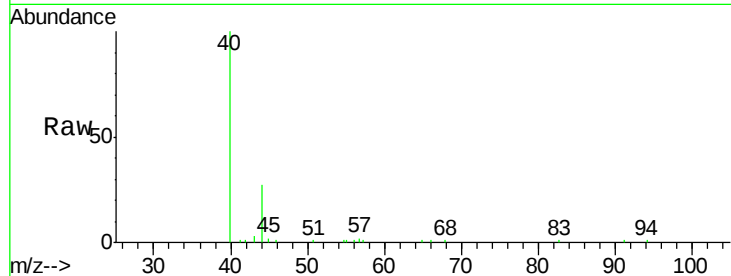
ClientSampled :

Tot Ion: 56 Resp: 441

Ion Ratio Lower Upper

56 100

55 142.9 49.0 73.4#



#16

Acetone

Concen: 18.436 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF062137.D

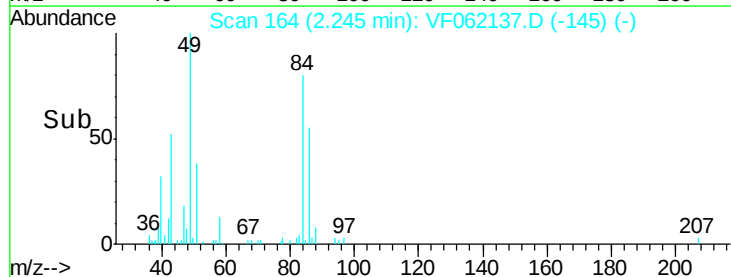
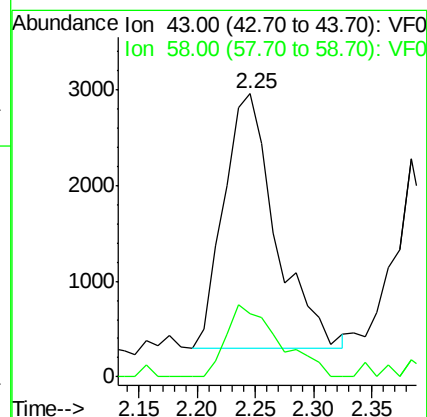
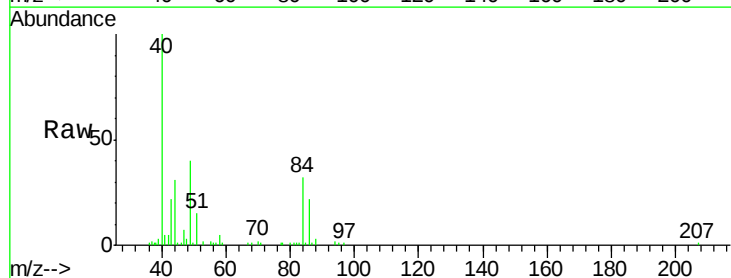
Acq: 25 Mar 2019 17:49

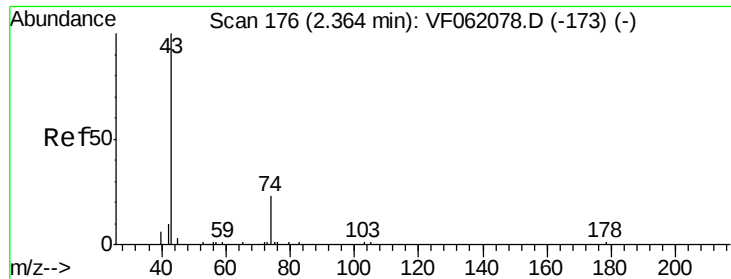
Tgt Ion: 43 Resp: 8185

Ion Ratio Lower Upper

43 100

58 22.3 20.8 31.2

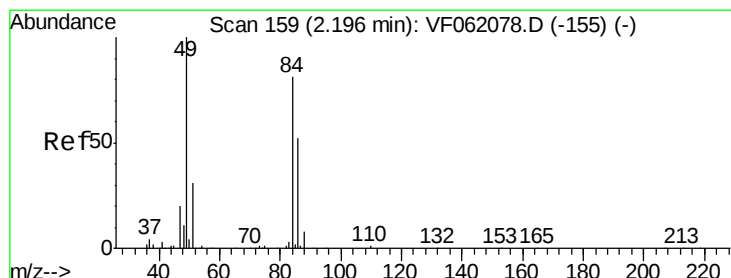
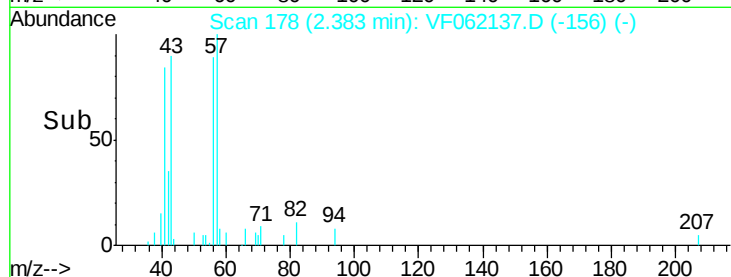
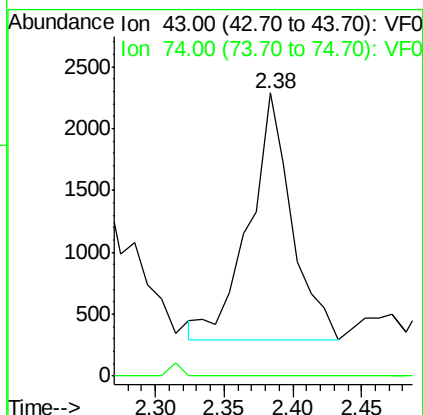
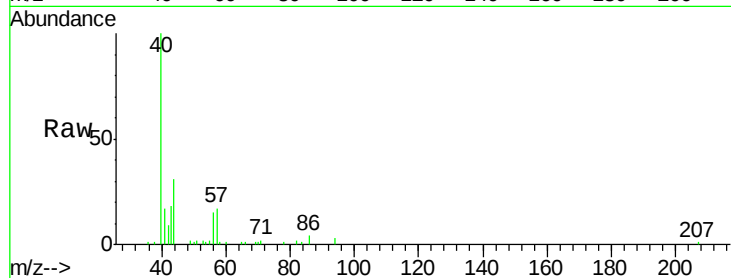




#18
Methyl Acetate
Concen: 4.038 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF062137.D
Acq: 25 Mar 2019 17:49

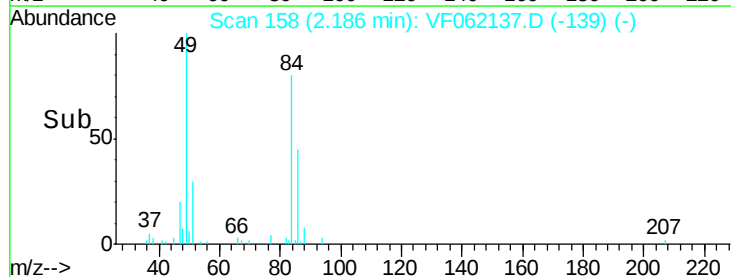
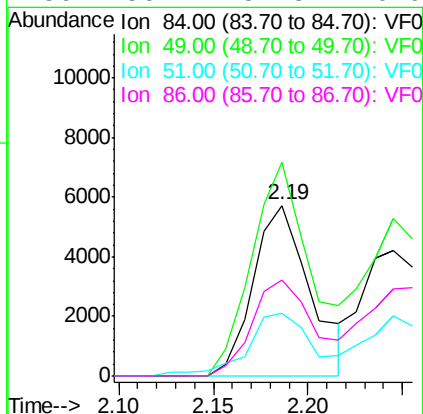
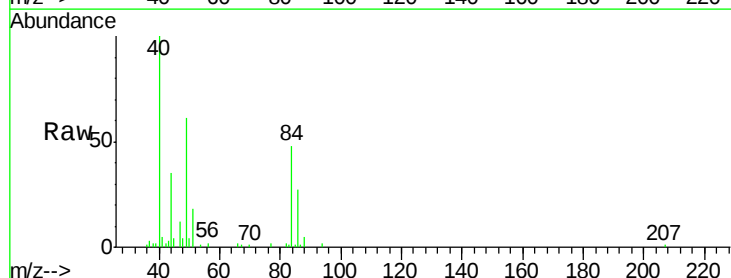
Instrument :
MSVOA_F
ClientSampled :

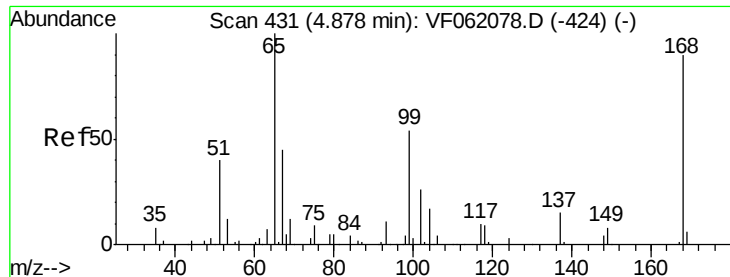
Tot Ion: 43 Resp: 4276
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 1.360 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062137.D
Acq: 25 Mar 2019 17:49

Tgt Ion: 84 Resp: 11971
Ion Ratio Lower Upper
84 100
49 125.4 100.4 150.6
51 37.1 31.0 46.6
86 56.7 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 36.287 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF062137.D

Acq: 25 Mar 2019 17:49

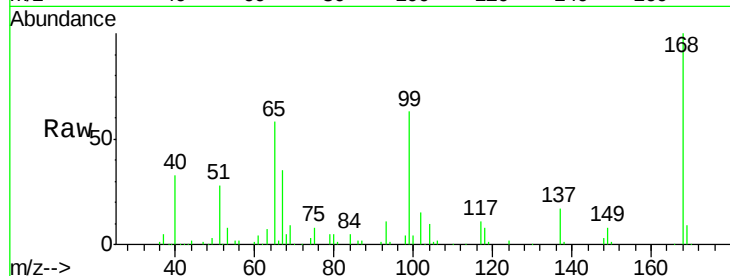
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 76547

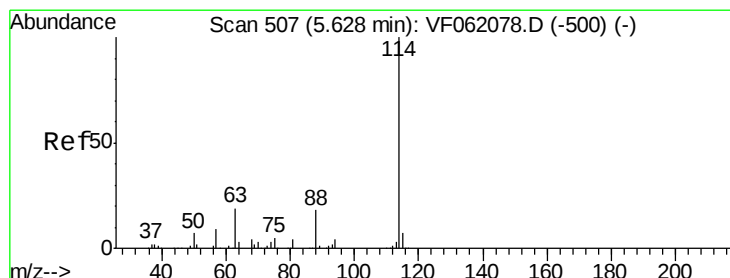
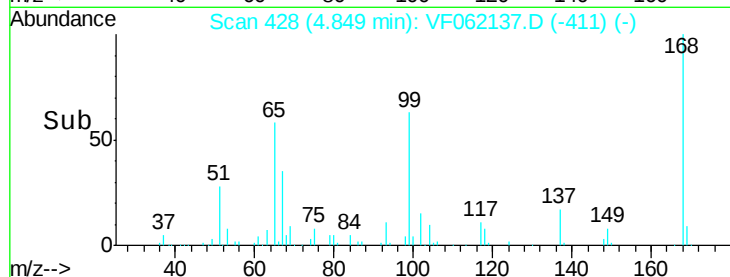
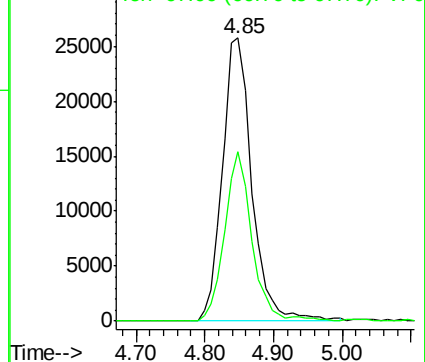
Ion Ratio Lower Upper

65 100

67 59.7 0.0 106.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF062137.D

Acq: 25 Mar 2019 17:49

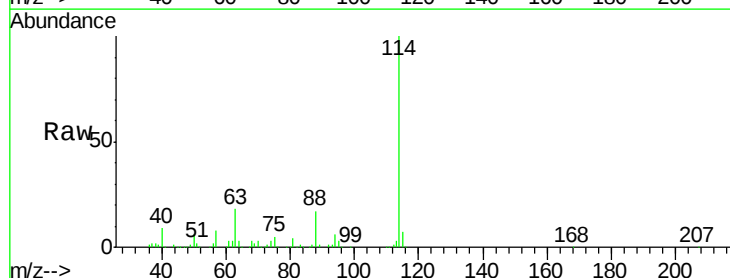
Tgt Ion: 114 Resp: 459235

Ion Ratio Lower Upper

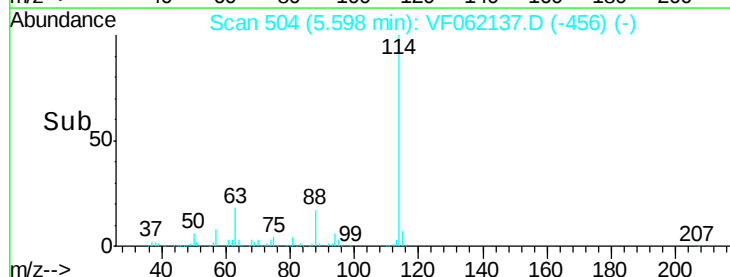
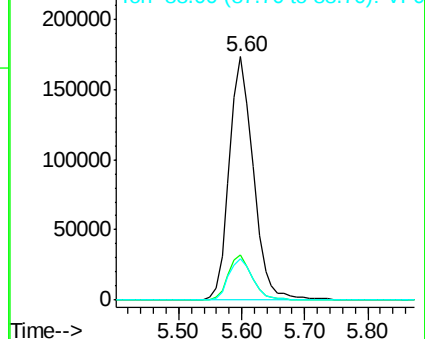
114 100

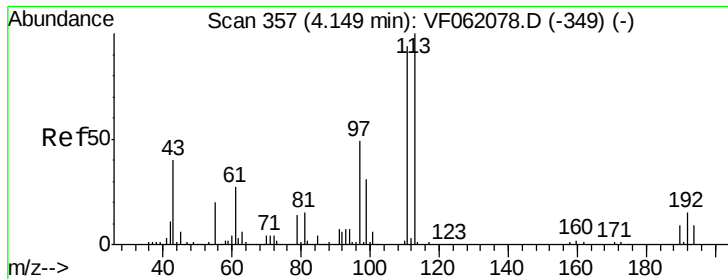
63 18.5 0.0 37.8

88 17.0 0.0 36.4



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

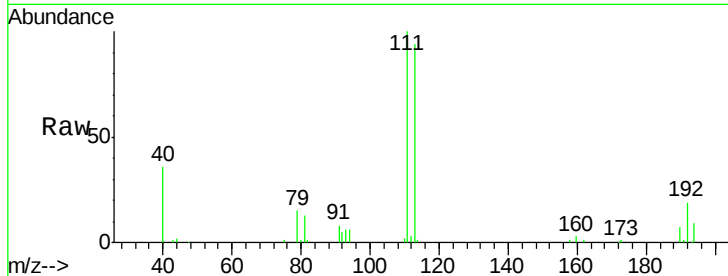




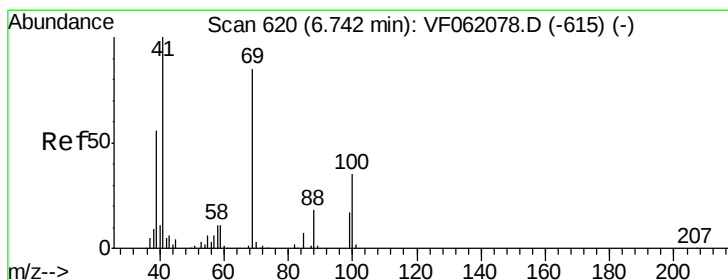
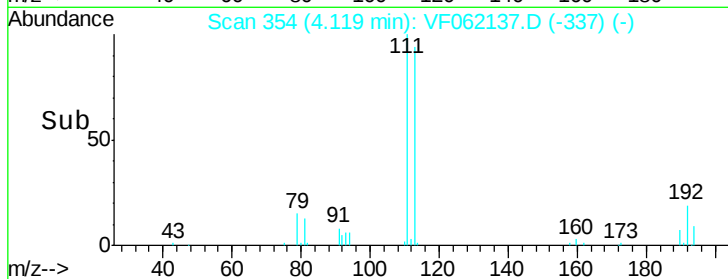
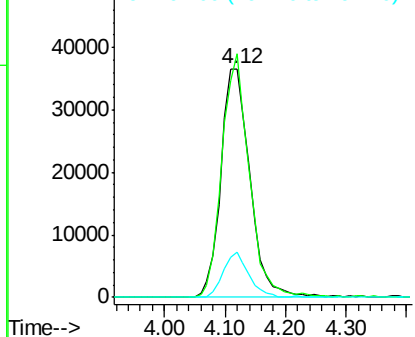
#35
 Dibromofluoromethane
 Concen: 39.482 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF062137.D
 Acq: 25 Mar 2019 17:49

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:113 Resp: 122652
 Ion Ratio Lower Upper
 113 100
 111 106.4 75.4 113.0
 192 19.8 12.3 18.5#

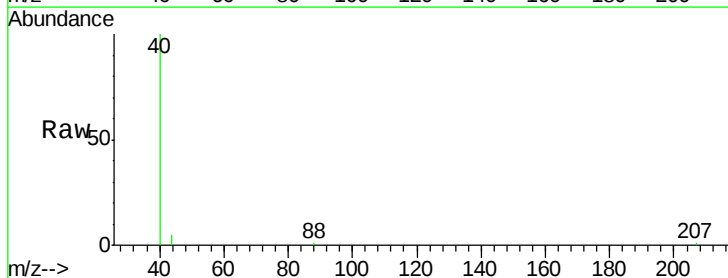


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

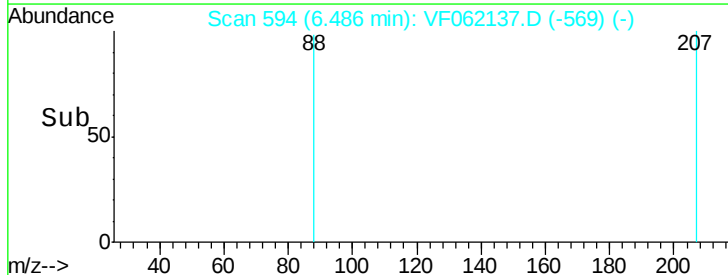
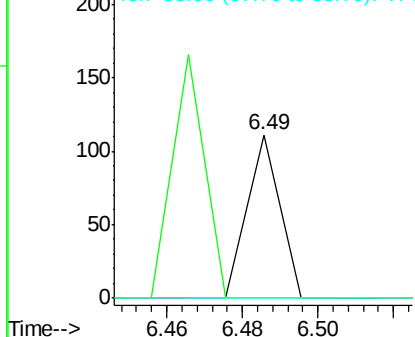


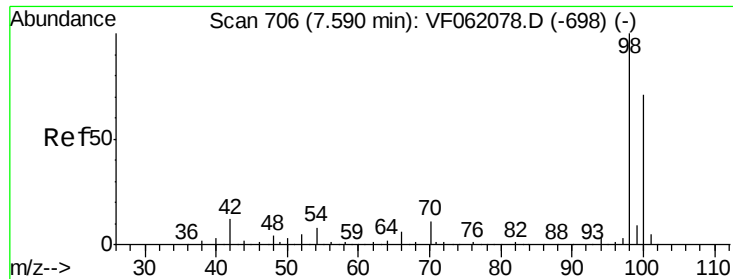
#49
 1,4-Dioxane
 Concen: 5.706 ug/l
 RT: 6.49 min Scan# 594
 Delta R.T. -0.26 min
 Lab File: VF062137.D
 Acq: 25 Mar 2019 17:49

Tgt Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 0.0 35.0 52.4#
 58 0.0 49.9 74.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

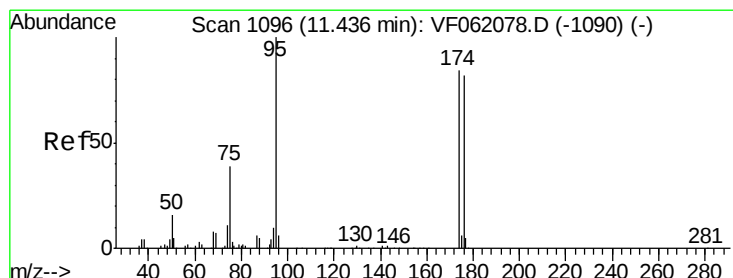
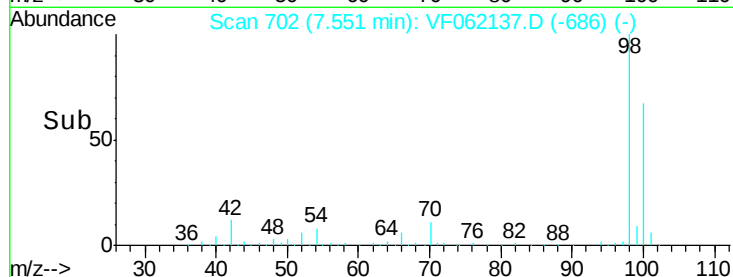
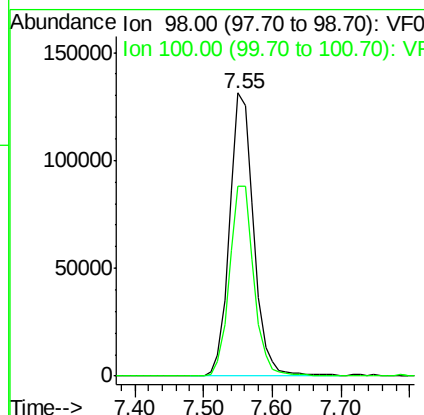
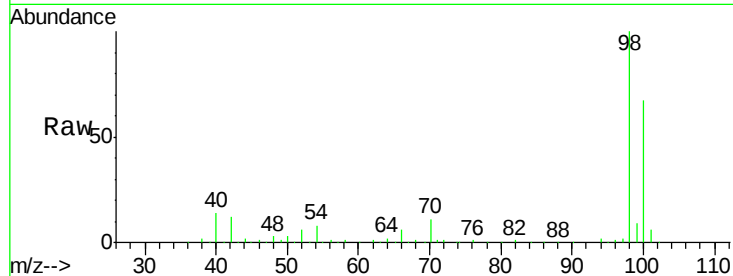




#50
Toluene-d8
Concen: 34.259 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF062137.D
Acq: 25 Mar 2019 17:49

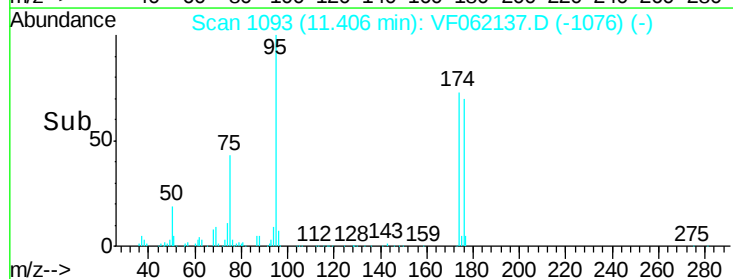
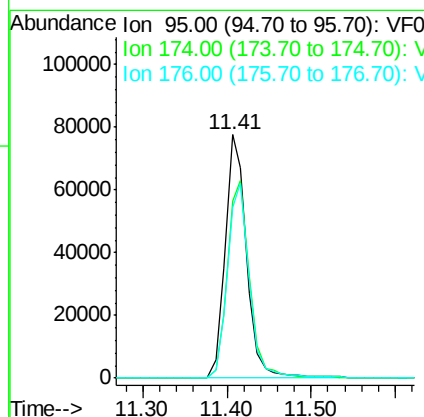
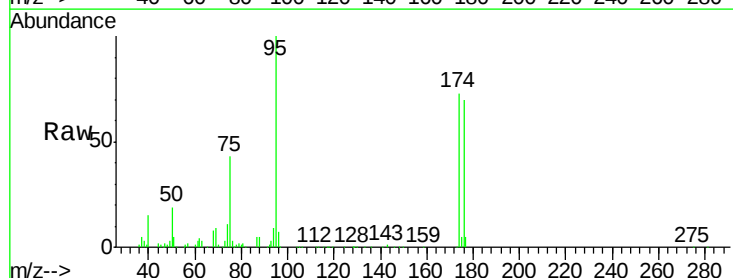
Instrument :
MSVOA_F
ClientSampled :

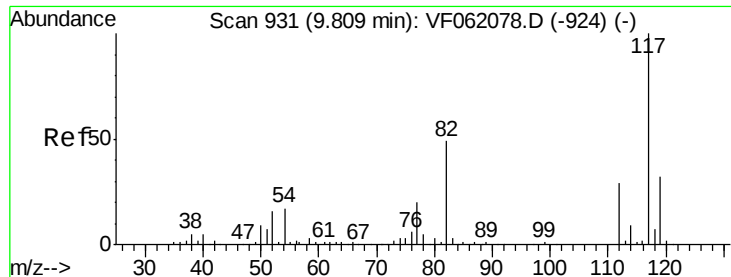
Tot Ion: 98 Resp: 317689
Ion Ratio Lower Upper
98 100
100 67.0 57.0 85.6



#62
4-Bromofluorobenzene
Concen: 38.117 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF062137.D
Acq: 25 Mar 2019 17:49

Tgt Ion: 95 Resp: 136456
Ion Ratio Lower Upper
95 100
174 72.8 0.0 168.2
176 70.2 0.0 164.2

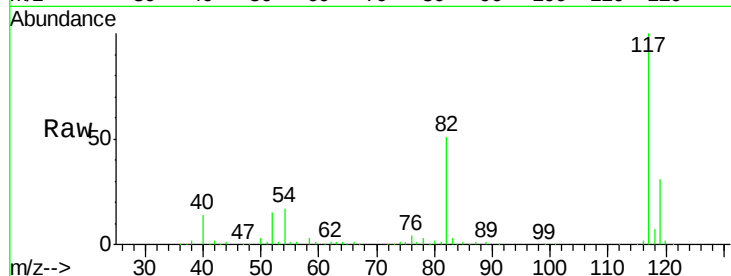




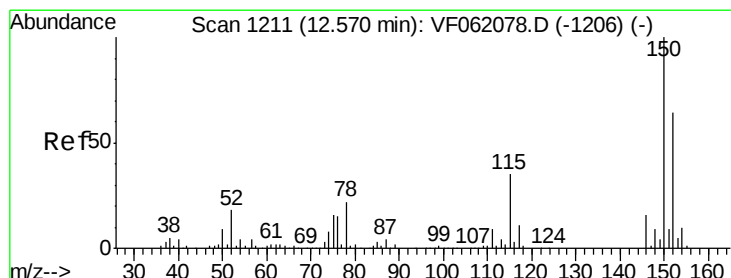
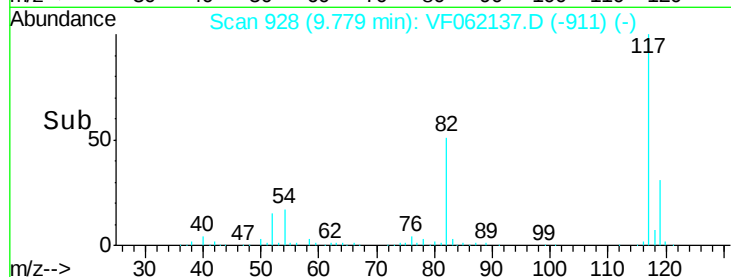
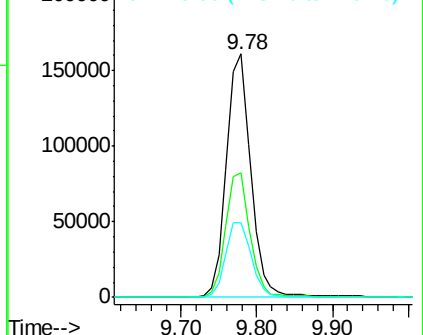
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF062137.D
Acq: 25 Mar 2019 17:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 361549
Ion Ratio Lower Upper
117 100
82 51.1 39.2 58.8
119 30.9 25.4 38.2

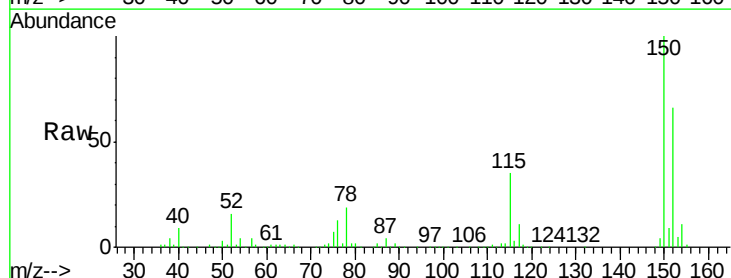


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062137.D
Acq: 25 Mar 2019 17:49

Tgt Ion:152 Resp: 215198
Ion Ratio Lower Upper
152 100
115 52.2 27.7 83.1
150 151.0 0.0 313.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

